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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/710,531	07/19/2004	Neil Colin Widmer	130875	4530
23413	7590	09/10/2007	EXAMINER	
CANTOR COLBURN, LLP 55 GRIFFIN ROAD SOUTH BLOOMFIELD, CT 06002			MASKULINSKI, MICHAEL C	
			ART UNIT	PAPER NUMBER
			2113	
			MAIL DATE	DELIVERY MODE
			09/10/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No.	Applicant(s)	
	10/710,531	WIDMER ET AL.	
	Examiner	Art Unit	
	Michael C. Maskulinski	2113	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 19 July 2004.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-18 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-3,6,9,11 and 14-16 is/are rejected.
- 7) ☒ Claim(s) 4,5,7,8,10,12,13,17 and 18 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 19 July 2004 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date <u>7/19/04</u> . | 6) <input type="checkbox"/> Other: _____ |

Non-Final Office Action
Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 1-3, 6, 9, 11, and 14-16 are rejected under 35 U.S.C. 102(b) as being anticipated by Qin et al., U.S. Patent 6,594,620 B1.

Referring to claims 1, 9, and 15:

- a. In column 3, lines 47-50, Qin et al. disclose that complete failure is determined by performing a regression analysis on an identified faulty sensor's measured values, and is indicated by the statistical inference that the regression line has zero slope (generating a first message containing a first software variable having a first site-specific value that is transmitted from the first computer to the second computer, the first site-specific value indicative of whether one of a fault event, a maintenance event, or a calibration event associated with the first computer has occurred).
- b. In column 5, lines 29-41, Qin et al. disclose receiving the first message at the second computer, the second computer storing the first site-specific value in a first record of a first database, the first record being associated with the first software variable; determining whether the first site-specific value indicates that an event has occurred.

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c. In column 5, lines 52-60, Qin et al. disclose if the first site-specific value indicates that an event has occurred, then generating a second software variable having both a first predetermined name and a value equal to a first standardized value indicating that an event has occurred, else generating a third software variable having both the first predetermined name and a value equal to a second standardized value indicating that an event has not occurred.

Referring to claim 2, in column 5 lines 61-67 continued in column 6, lines Qin et al. disclose that the Identification Unit attempts to identify the nature of the fault by comparing the identification indices to a corresponding set of thresholds (determining whether the first site-specific value is equal to a site-specific event indicator value indicative of an occurrence of an event).

Referring to claims 3, 11, and 16, in column 1, lines 38-50, Qin et al. disclose monitoring of emission gases and in column 5, lines 52-60, Qin et al. disclose the fault event occurs when an emission monitoring device generates a measured value that is not substantially similar to a predetermined value when the emission monitoring device is monitoring a calibration gas.

Referring to claim 6, in column 6, lines 38-42, Qin et al. disclose making sensor data available to an operator console (displaying one of the second and third standardized values on a computer monitor).

Referring to claim 14, in column 6, lines 3-7, Qin et al. disclose that the identification event includes information as to which sensors failed (wherein the first software variable has a site-specific software variable name).

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Allowable Subject Matter

3. Claims 4, 5, 7, 8, 10, 12, 13, 17, and 18 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Michael C. Maskulinski whose telephone number is 571-272-3649. The examiner can normally be reached on M-F 9:30-6:00.

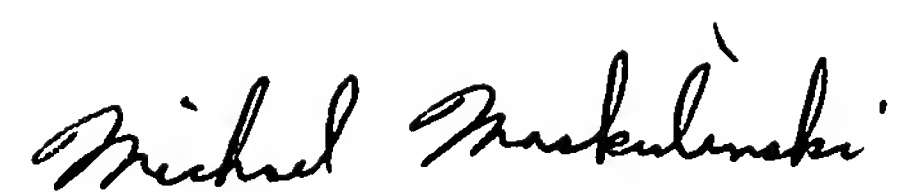
If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Robert Beausoliel can be reached on 571-272-3645. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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A handwritten signature in black ink, reading "Michael Maskulinski". The signature is written in a cursive style with a prominent loop at the end of the last name.

Michael C Maskulinski
Primary Examiner
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